

Form PTO-1449  
Equivalent

U.S. Department of Commerce  
Patent and Trademark Office

Atty. Docket No. 503.36233CC4  
Serial No. (not yet assigned)  
Applicant: K. OGUMA et al  
Filing Date: July 10, 2003  
Group:

U.S. Patent Documents

Examiner Initials	Document No.	Date	Name	Class Subclass	Filing Date If Approp.
TC	3,686,075	2/75	Blazek et al	202/158	
	4,320,881	3/82	Campbell	246/348	
	4,498,650	2/85	Smith et al	246/122R	
	4,619,425	10/86	Nagel	246/342	
	4,855,737	8/89	Poole	340/933	
	5,459,663	10/95	Franke	201/20	
TC	6,230,086	5/01	Oguma et al	201/19	

Foreign Patent Documents

Document No.	Date	Country	Class Subclass	Translation Yes No
TC	0 165 048 A2	12/85	European	
	3-128760	5/91	Japan	
	0 410 218 A2	1/97	European	
	9-193800	7/97	Japan	
TC	WO 98/10618	3/98	PCT/JP/02502	

Other Documents (including Author, Title, Date, Pertinent Pages, etc.)

TC Collins et al.; Performance of Railway Track Circuit Codes with Burst Interference; IEEE; Vehicular Technology Conference, 4-7 May 1997; Vol. 3; pp. 1927-1931

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01/16/2004

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